

Catalogus Insectorum Sueciae. Hymenoptera, Apoidea.

2. Andrenidae and Halictidae

BO G. SVENSSON, STELLAN ERLANDSSON (†) & LARS-ÅKE JANZON

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This catalogue lists the bees so far found in Sweden and denotes from which of the provinces the species have been recorded. The catalogue is presented in three parts and this, the second, deals with the families Andrenidae and Halictidae, with 57 and 53 species respectively. *Andrena fulvida* Schenck, *A. alfkenella* Perkins, *A. minutuloides* Perkins and *Sphecodes ferrugineus* von Hagens are here recorded from Sweden for the first time.

B. G. Svensson, Uppsala University, Dept. of Zoology, Sect. of Entomology, P.O. Box 561, S-751 22 Uppsala, Sweden.

The late S. Erlandsson & L.-Å. Janzon, Swedish Museum of Natural History, P.O. Box 50007, S-104 05 Stockholm, Sweden.

The first part of the Swedish bee catalogue, dealing with the Colletidae and the Melittidae, has already been published (Erlandsson et al. 1988).

The classification and nomenclature used in this list is a synthesis of Dylewska (1987), Ebmer (1988), Richards (1978), Westrich (1984) and Vikberg (1986). Many other works also have been consulted (see reference list). Valuable information concerning these matters, given by different specialists as well as own studies, are included. The species are arranged in alphabetical order within the genera and subgenera (Tab. 1). Notes and comments are given for some species. Only the synonyms found in the Swedish or foreign literature concerning Swedish bee species are given. The faunistic provinces of Sweden are shown in Fig. 1.

Abbreviations. The Swedish provinces follow the order: Sk = Skåne (Scania), Bl = Blekinge, Ha = Halland, Sm = Småland, Öl = Öland, Go = Gotland, Gs = Gotska Sandön, Ög = Östergötland, Vg = Västergötland, Bo = Bohuslän, Ds = Dalsland, Nä = Närke, Sö = Södermanland, Up = Uppland, Vs = Västmanland, Vr = Värmland, Gä = Gästrikland, Dr = Dalarna, Hs = Hälsingland, Hr = Härjedalen, Me = Medelpad, Ån = Ångermanland, Jä = Jämtland, Vb = Västerbotten, Nb = Norrbotten, Ås = Åsele lappmark, Ly = Lycksele lappmark, Pi = Pite lappmark, Lu = Lule lappmark and To = Torne lappmark. — Museums: ZML = Zoological

Museum, University of Lund, NRM = Swedish Museum of Natural History, Stockholm.

Besides the specialists acknowledged in the first part of the catalogue we also want to thank our aculeate collecting friends for providing us with material for study and provincial records.

Notes and comments

34–40. The species of *Andrena* s.str. are treated in Svensson & Tengö (1976).

34. *A. apicata*. Rare. The most recent records from Sk and Öl are from 1931 and 1951 respectively (Svensson & Tengö 1976).

40. *A. varians*. Reported as extinct in Sweden by Andersson et al. (1987). Last mentioned by Perkins (1942).

42. *A. dorsata*. One female in NRM from Sö, Tyresö-Brevik, probably from 1920–1940, leg. M. Richter, det. K. Warncke (as *propinqua* Schenck). Extinct in Sweden?

44. *A. fulvida*. Not previously recorded from Sweden.

46. *A. angustior*. One female, identified by J.D. Alfken, reported from Nä (Jansson 1927) was studied in ZML. Extinct in Sweden?

Tab. 1. Catalogue of Swedish species of Andrenidae and Halictidae. The known provincial records are given for each species.

De i Sverige förekommande arterna av bin i familjerna Andrenidae och Halictidae med synonymer och kända landskapsfynd.

Andrenidae

- Andrena* Fabricius, 1775
A. (Andrena) Fabricius, 1775
 34. *apicata* F. Smith, 1847 Sk, Öl
 35. *clarkella* (Kirby, 1802)
 ... Ha-Öl, Ög-Vg, Sö-Vs, Dr-Hs, Hr, Än-Äs, Lu-To
 = *dispar* Zetterstedt, 1838
 36. *fucata* F. Smith, 1847
 Sk-Go, Ög-Me, Jä-Ly, Lu-To
 = *clypearis* Nylander, 1848
 = *norvegica* Strand, 1910
 37. *helvola* (Linnaeus, 1758)
 Sk, Ha-Go, Ög-Gä, Me-Ly, To
 38. *lapponica* Zetterstedt, 1838
 ... Sk, Sm-Öl, Ög-Bo, Nä-Dr, Hr-Jä, Nb-Äs, Lu-To
 = *alpina* Zetterstedt, 1838
 39. *praecox* (Scopoli, 1763)
 Sk, Ha-Öl, Ög-Vg, Ds-Vs, Dr-Gä
 40. *varians* (Rossi, 1792) Sk, Nä
 = *angulosa* (Kirby, 1802)
 = *mixta* Schenck, 1853
A. (Hoplاندrena) Pérez, 1890
 41. *jacobi* Perkins, 1921
 Sk, Ha-Go, Ög-Bo, Nä-Vs, Dr, Hs-Me
 = *subulosa* (Scopoli, 1763) nomen dubium
 = *carantonica* Pérez, 1902 [invalid teste
 Dylewska (1987)]
 = *trimmerana* sensu auct., nec (Kirby, 1802)
A. (Simandrena) Pérez, 1890
 42. *dorsata* (Kirby, 1802) Sö
 = *propinqua* Schenck, 1853
 = *thomsoni* Aurivillius, 1903
 = *?proxima* (Kirby, 1802) misdet.
A. (Euandrena) Hedicke, 1933
 43. *bicolor* Fabricius, 1775 Sk-Go, Ög-Vs, Dr-Gä
 = *lucida* Panzer, 1798
 = *gwynana* (Kirby, 1802)
 = *violascens* Thomson, 1870
 44. *fulvida* Schenck, 1853 Sö, Gä-Me, Jä, Nb
 45. *ruficrus* Nylander, 1848 Sk,
 Ha, Öl-Go, Ög-Bo, Sö-Up, Dr-Me, Än-Nb, Lu-To
 = *rufitarsis* Zetterstedt, 1838 preocc.
A. (Ptilandrena) Robertson, 1902
 46. *angustior* (Kirby, 1802) Nä
A. (Melandrena) Pérez, 1890
 47. *assimilis* Radoszkowski, 1876
 ssp. *gallica* Schmiedeknecht, 1883 Sk
 48. *cineraria* (Linnaeus, 1758)
 Sk, Ha-Sm, Ög-Vg, Nä-Me, Än
 49. *nigroaenea* (Kirby, 1802)
 Sk-Go, Ög-Vg, Sö-Vs, Dr, Hs, Nb
 50. *nitida* (Müller, 1776) Sm-Öl, Vg, Ds, Up
 = *pubescens* Olivier, 1789
 = *baltica* Alfken, 1912
 = *?pectoralis* Schmiedeknecht, 1883 misdet.
 51. *thoracica* (Fabricius, 1776) Sk, Vg
 = *melanocephala* (Kirby, 1802)
 52. *vaga* Panzer, 1799
 Sk, Sm-Öl, Ög-Vg, Sö-Vs, Dr-Gä
 = *ovina* Klug, 1810
 = *pratensis* (Müller, 1776) [invalid teste
 Dylewska (1987)]
A. (Cnemidandrena) Hedicke, 1933
 53. *denticulata* (Kirby, 1802)
 Sk-Öl, Ög-Up, Vr-Dr, Än
 = *listerella* (Kirby, 1802)
 54. *fuscipes* (Kirby, 1802) Sk-Öl, Ög-Dr
 = *pubescens* (Kirby, 1802)
 = *cincta* Nylander, 1848
 55. *nigriceps* (Kirby, 1802)
 Sk, Ha-Sm, Go, Ög-Bo, Nä, Up, Dr-Gä
 = *bremensis* Alfken, 1900
 56. *simillima* F. Smith, 1851 Sk, Nä
A. (Biareolina) Dours, 1873
 57. *haemorrhoea* (Fabricius, 1781)
 Sk, Ha-Go, Ög-Vs, Dr-Me, Än, Nb, Ly, Lu-To
 = *albicans* sensu auct., nec (Müller, 1766)
 = *haemorrhoidalis* (Christ, 1791) preocc.
A. (Plastandrena) Hedicke, 1933
 58. *bimaculata* (Kirby, 1802) Sk, Sm-Öl, Ög-Vg
 = *vitrea* F. Smith, 1847
 = *morawitzi* Thomson, 1872
 59. *pilipes* (Fabricius, 1781) Sk-Bi, Sm-Go, Sö-Up
 = *carbonaria* (Linnaeus, 1767) nomen dubium
 = *nigrospina* Thomson, 1872
 = *flessae* Panzer, 1805 misdet.
 60. *tibialis* (Kirby, 1802) Sk-Go, Ög-Bo, Sö-Vs
A. (Zonandrena) Hedicke, 1933
 61. *chrysopyga* Schenck, 1853 Sk
 = *integra* Thomson, 1870
 62. *gravida* Imhoff, 1832 S. Sweden
A. (Poliandrena) Warncke, 1968
 63. *tarsata* Nylander, 1848
 Sk, Ha-Go, Vg-Bo, Sö-Hs, Jä-Nb
A. (Stenomelissa) Hirashima & Laberge, 1965
 64. *coitana* (Kirby, 1802)
 Sk, Ha-Sm, Go, Vg-Ds, Sö-Up, Vr-Gä
 = *shawella* (Kirby, 1802)
A. (Leucandrena) Hedicke, 1933
 65. *argentata* F. Smith, 1844 Sk, Ha, Ög-Bo
 66. *barbilabris* (Kirby, 1802)
 Sk, Ha-Bo, Sö-Me, Vb-Äs, Lu-To
 = *sericea* (Christ, 1791) preocc.
 = *albicus* (Kirby, 1802)
 = *albocincta* Zetterstedt, 1838
 = *barbatula* Zetterstedt, 1838
 = *angustipes* Schenck, 1856
A. (Chrysandrena) Hedicke, 1933
 67. *fulvago* (Christ, 1791) Sm-Go, Ög-Up, Gä-Hs

- A. (Chlorandrena)* Pérez, 1890
 68. *humilis* Imhoff, 1832 Sk, Ög, Up
 = *fulvescens* F. Smith, 1847
 = *nasalis* Thomson, 1870
A. (Charitandrena) Hedicke, 1933
 69. *hattorfiana* (Fabricius, 1775)
 Sk-Go, Ög-Ds, Up, Vr-Dr
 = *equestris* Panzer, 1797
A. (Lepidandrena) Hedicke, 1933
 70. *curvungula* Thomson, 1870 Sk, Go
A. (Poecilandrena) Hedicke, 1933
 71. *labiata* (Fabricius, 1781)
 Sk, Öl-Go, Ög, Sö-Up, Gä
 = *cingulata* (Fabricius, 1774) preocc.
A. (Margandrena) Warncke, 1968
 72. *marginata* (Fabricius, 1776)
 Sk, Ha-Go, Ög-Bo, Nä-Sö, Dr
 = *cetii* (Schrank, 1781)
A. (Holandrena) Pérez, 1890
 73. *labialis* (Kirby, 1802) Sk, Öl, Ög
A. (Micrandrena) Ashmead, 1899
 74. *alfkenella* Perkins, 1914 Öl-Go
 75. *falsifica* Perkins, 1915
 Ha, Öl-Go, Ög-Bo, Nä-Up, Hs
 76. *minutula* (Kirby, 1802)
 Sk-Öl, Vg-Bo, Sö-Up, Hs, Än
 = *parvula* (Kirby, 1802)
 77. *minutuloides* Perkins, 1914 Go, Ög-Vg
 = *parvuloides* Perkins, 1914
 78. *niveata* Friese, 1887 Öl-Go, Nä
 79. *semilaevis* Pérez, 1903
 Sk-Go, Ög-Vs, Dr-Me, Än, Nb
 = *saundersella* Perkins, 1914
 80. *subopaca* Nylander, 1848 Sk-Öl, Gs-Ly
A. (Taenidandrena) Hedicke, 1933
 81. *gelrae* van der Vecht, 1927 Sk, Öl, Sö-Up
 82. *intermedia* Thomson, 1870 Ha, Bo, Nä-Äs, Lu
 83. *lathyri* Alfken, 1899
 Sk-Öl, Ög-Ds, Sö-Up, Vr-Gä
 84. *ovatula* (Kirby, 1802) Sk, Ha, Öl, Bo, Sö-Up
 = *albofasciata* Thomson, 1870
 85. *similis* F. Smith, 1849 Ha-Öl, Sö-Up
 = *ocreata* (Christ, 1791) nomen dubium
 86. *wilkella* (Kirby, 1802) Sk-Go, Ög-Bo, Nä-Hs
 = *convexiuscula* (Kirby, 1802)
 = *xanthura* (Kirby, 1802)
A. (Opandrena) Robertson, 1902
 87. *schenckii* Morawitz, 1866 Öl
 = *labiata* Schenck, 1851, preocc.
- Panurgus* Panzer, 1806
 88. *calcaratus* (Scopoli, 1763)
 Sk-Öl, Ög-Ds, Sö-Up, Vr
 89. *banksianus* (Kirby, 1802) Sk-Öl, Vg-Ds, Vr
- Panurginus* Nylander, 1848
 90. *romani* Aurivillius, 1914 Up, Dr, Jä-Nb, Ly, Lu
- Halictidae**
Halictus Latreille, 1804
H. (Halictus) Latreille, 1804
 91. *eurygnathus* Blüthgen, 1931 Sk-BI, Sm-Go
 92. *quadricinctus* (Fabricius, 1776) Sk-BI
 93. *rubicundus* (Christ, 1791)
 Sk, Ha-Go, Ög-Vs, Dr-Me, Jä-Nb, Ly, Lu-To
94. *sexcinctus* (Fabricius, 1775) Vg
 = *arbustorum* (Panzer, 1797)
H. (Seladonia) Robertson, 1918
 95. *confusus* F. Smith, 1853
 ssp. *perkinsi* Blüthgen, 1926 Sk, Ha-Öl
 96. *leucaeneus* Ebmer, 1972
 ssp. *arenosus* Ebmer, 1976 Sk, Sm-Go
 = *fasciatus* sensu auct., nec Nylander, 1848
 97. *tumulorum* (Linnaeus, 1758)
 Sk-Go, Ög-Hs, Än-Nb
 = *flavipes* (Fabricius, 1787)
- Lasioglossum* Curtis, 1833
L. (Lasioglossum) Curtis, 1833
 98. *lativentre* (Schenck, 1853) Sk-Go, Sö-Up
 99. *leucozonium* (Schrank, 1781)
 Sk-Go, Ög-Up, Vr-Gä, Me-Vb
 100. *quadrinotatum* (Kirby, 1802)
 Sk-BI, Öl, Ög, Sö-Up
 101. *sexmaculatum* (Schenck, 1853) .. Sk, Ha-Öl, Ög-Vg
 102. *sexnotatum* (Nylander, 1852)
 Sk, Ha-Öl, Ög-Vg, Up
 103. *xanthopus* (Kirby, 1802) Sk
 104. *zonulum* (F. Smith, 1848) ... Sk-Go, Ög-Up, Vr-Dr
L. (Evylaeus) Robertson, 1902
 105. *aeratum* (Kirby, 1802) Sk, Ha-Go, Sö-Vs
 = *semiaeneum* (Brullé, 1832)
 = *viridiaeneum* (Blüthgen, 1918)
 106. *albipes* (Fabricius, 1781) Sk-Me, Jä-Ly, Lu-To
 = *abdominalis* (Panzer, 1798)
 107. *boreale* Svensson, Ebmer & Sakagami, 1988
 Jä, To
 108. *brevicorne* (Schenck, 1868) Sk
 109. *calceatum* (Scopoli, 1763)
 Sk-Go, Ög-Bo, Nä-Nb, Ly, Lu
 = *cylindricum* (Fabricius, 1793)
 = *obovata* (Kirby, 1802)
 110. *fratellum* (Pérez, 1903) . Sk-Go, Ög-Nb, Ly, Lu-To
 = *subfasciatus* (Nylander, 1848) [invalid teste
 Ebmer (1988)]
 = *frejgessneri* (Alfken, 1904)
 = *nigrum* sensu auct., nec (Viereck, 1903)
 = *?laeve* (Kirby, 1802) misdet.
 111. *fulvicorne* (Kirby, 1802)
 Sk-BI, Sm-Öl, Ög-Vs, Dr, Me, Än
 112. *leucopum* (Kirby, 1802) Sk-Go, Ög-Me, Jä-Nb
 113. *lucidulum* (Schenck, 1861) Sk, Öl, Nä
 114. *minutissimum* (Kirby, 1802) Sk
 115. *morio* (Fabricius, 1793)
 Sk-Go, Ög-Ds, Sö-Vs, Dr, Hs
 116. *nitidiusculum* (Kirby, 1802)
 Sk, Sm-Go, Vg-Bo, Up-Vs
 117. *nitidulum* (Fabricius, 1804) Sk
 = *continentale* (Blüthgen, 1944)
 118. *parvulum* (Schenck, 1853) Sk
 = *minutum* (Kirby, 1802) preocc.
 119. *punctatissimum* (Schenck, 1853) Sk-Go, Ög-Up
 120. *rufitarse* (Zetterstedt, 1838)
 Sk, Ha-Go, Ög-Me, Jä-Nb, Lu
 121. *semilucens* (Alfken, 1914) ... Sk, Ha, Öl-Go, Ög-Vs
 122. *smeathmanellum* (Kirby, 1802) Sk
 123. *subfulvicorne* (Blüthgen, 1934)
 ssp. *austriacum* Ebmer, 1974
 Vs-Dr, Än-Jä, Ly, Lu-To
 124. *tarsatum* (Schenck, 1868) Sk, Öl

125. *villosulum* (Kirby, 1802) Sk-Go, Ög-Up, Vr-Gä, Me, Jä-Nb
= *punctulatus* (Kirby, 1802)
- Sphecodes* Latreille, 1804
126. *abilabris* (Fabricius, 1793) Sk, Sö
127. *crassus* Thomson, 1870 Sk-BI, Sm-Go, Ög-Ds, Sö-Hs, Än-Vb
= *variegatus* von Hagens, 1874
128. *cristatus* von Hagens, 1882 Öl
129. *ephippius* (Linnaeus, 1767) Sk-Go, Ög-Ds, Sö-Vs, Dr-Gä, Än
= *divisus* (Kirby, 1802)
= *similis* Wesmäl, 1835
130. *ferruginatus* von Hagens, 1882 Sk, Sm-Go, Ög-Bo, Sö-Up, Vr-Hs, Jä-Nb
131. *geofrellus* (Kirby, 1802) Sk-Go, Ög-Hs, Jä-Nb, Lu
= *fasciatus* von Hagens, 1882
= *affinis* von Hagens, 1882
132. *gibbus* (Linnaeus, 1758) Sk-Go, Ög, Bo-Ds, Sö-Vr, Gä-Hs, Än, Nb
133. *hyalinatus* von Hagens, 1882 Ha-Sm, Sö-Up, Dr-Nb, To
134. *miniatus* von Hagens, 1882 Sk, Öl-Go, Up, Vb
= *dimidiatus* von Hagens, 1882
135. *monilicornis* (Kirby, 1802) Sk, Ha-Go, Ög-Bo, Sö-Vs, Gä-Dr, Än-Nb
= *subquadratus* F. Smith, 1845
136. *pellucidus* F. Smith, 1845 Sk-Go, Ög, Bo, Nä-Hs, Än-Vb
= *pilifrons* Thomson, 1870
137. *puncticeps* Thomson, 1870 Sk, Ha, Öl-Go, Ög, Up, Vr-Dr
138. *reticulatus* Thomson, 1870 Sk-Öl
- Dufourea* Lepeletier, 1841
D. (Dufourea) Lepeletier, 1841
139. *vulgaris* Schenck, 1861 Sk, Bo
140. *minuta* Lepeletier, 1841 Sk-Öl
= *halictula* (Nylander, 1852)
- D. (Halictoides)* Nylander, 1848
141. *dentiventris* (Nylander, 1848) Sk, Sm-Go, Ög-Ds, Sö-Vr, Gä-Me, Vb-Nb
142. *inermis* (Nylander, 1848) Sk, Sm-Öl, Sö
- Rophites* Spinola, 1808
143. *quinquespinosus* Spinola, 1808 Sk, Up

47. *A. assimilis gallica*. One female, identified by P.M.F. Verhoeff, collected in Sk 1933 (Herrström 1951) was studied in ZML. Extinct in Sweden?

51. *A. thoracica*. Not recorded since Tjeder (1954) reported on a female collected in 1950 and identified by E. Valkeila.

56. *A. simillima*. Two females, identified by J.D. Alfken, reported from Nä (Jansson 1927) were studied in ZML. One male collected in Sk, Barkåkra in 1951 seen in NRM.

58–60. The subgenus *Plastandrena* needs to be revised. All species, except *tibialis*, should be regarded as preliminary.

61. *A. chrysopyga*. Rare. Known from a few localities in Sk.

62. *A. gravida*. Dylewska (1987) mentions it from southern Sweden. However, we have not seen any specimens. Previously not reported from Sweden.

70. *A. curvungula*. Rare. From Sk last mentioned by Aurivillius (1903). Few sites are known on Go.

73. *A. labialis*. The most recent record is from Ög, Valdemarsvik in 1953 (in coll. NRM).

74. *A. alfkenella*. Not previously recorded from Sweden. It is frequent on Öl and rare on Go.

77. *A. minutuloides*. Not previously recorded from Sweden. Rare.

78. *A. niveata*. Reported from Go and Nä by

Jansson (1927). All seven specimens were determined by J.D. Alfken. One male also reported from Öl by Wolf (1960), collected in 1940. All specimens in ZML. The Central European *A. nana* (Kirby) (Dylewska 1987), mentioned by Thomson (1870b, 1872) and Aurivillius (1903) concerns, according to Alfken (1927), probably *A. nana* Nylander 1848. Alfken (1927) believed that the female of *A. nana* Nylander belongs to *A. niveata* Friese, while the male belongs to *A. shawella* (Kirby), i.e. *A. coitana* (Kirby).

87. *A. schencki*. Two females collected in 1941 were reported from Öl by Wolf (1960) (in coll. ZML). Extinct in Sweden?

94. *H. sexcinctus*. Last reported by Aurivillius (1903). Listed as extinct in Sweden in Andersson et al. (1987).

95–97. The Swedish distributions of the *Seladonia* species are mapped in Janzon & Svensson (1984).

107. *L. boreale*. Earlier found in Sweden and Japan (Svensson et al. 1977) and now also known from arctic Canada (Sakagami & Toda 1986). Other Holarctic Halictinae species include: *H. rubicundus*, *H. confusus*, *L. leucozonium* and *L. rufitarse*.

108. *L. brevicorne*. Three males, collected in 1930 and earlier, reported from Sk by Blüthgen (1958) and Wolf (1960) were studied in ZML. Extinct in Sweden?

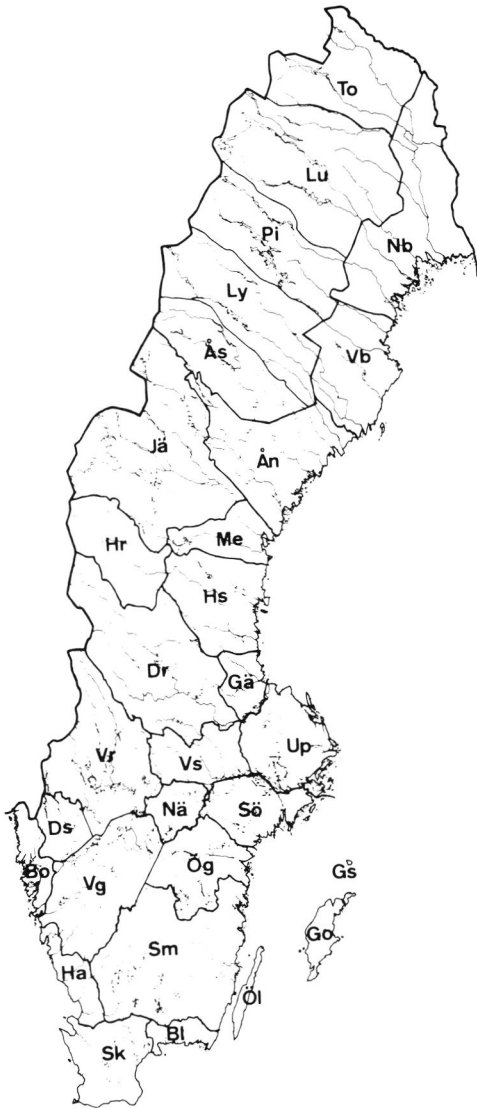


Fig. 1. Map of Sweden with delimitation and coding of the used faunistic provinces (see text).

Karta över Sverige med avgränsning av de faunistiska provinserna. Se texten för aktuella förkortningar.

113. *L. lucidulum*. Reported from Nä by Jansson (1927) and from Öl by Janzon & Svensson (1984), but not found in Sweden according to Ebmer (1988).

114. *L. minutissimum*. Three females, collected in 1948 and earlier, reported from Sk by Blüthgen (1958) and Wolf (1960) were studied in ZML.

116. *L. nitidiusculum*. The species of the *nitidiusculum* group (in Sweden represented by *L. nitidiusculum*, *L. parvulum* and *L. rufitarse*) are treated in Ebmer & Sakagami (1985).

117. *L. nitidulum*. Altogether 16 specimens reported from Sk by Blüthgen (1958) and Wolf (1960) were studied in ZML.

118. *L. parvulum*. Last reported by Aurivillius (1903). Extinct in Sweden?

122. *L. smeathmanellum*. Last reported by Aurivillius (1903). Extinct in Sweden?

123. *L. subfulvicorne austriacum*. Only females have been collected in Sweden (cf. Ebmer 1988).

124. *L. tarsatum*. One female reported from Öl by Jansson (1927). Perkins (1942) collected 1 ♂ and 11 ♀ in 1938 in Sk, which are the most recent records. Extinct in Sweden?

126. *S. albilabris*. Reported as extinct in Sweden by Andersson et al. (1987). After that, however, it has been collected in Sk in 1986 and in Sö in 1987 (Nilsson 1988, 1989).

128. *S. cristatus*. Reported as new to Sweden by Svensson (1982). Rare.

130. *S. ferruginatus*. Not previously recorded from Sweden. Uncommon.

139–142. The Swedish *Dufourea* species are treated in Ebmer (1984).

139. *D. vulgaris*. Rare. The most recent record is from 1945 (Erlandsson 1976).

140. *D. minuta*. Rare. Almost exclusively found in sandy areas visiting *Jasione montana*. The Swedish distribution is mapped in Janzon & Svensson (1984).

142. *D. inermis*. Rare. The Swedish distribution is mapped in Janzon & Svensson (1984).

143. *R. quinquespinosus*. Last reported by Ebmer & Schwammbberger (1986).

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Sammanfattning

De i Sverige förekommande gaddsteklarna presenteras i denna katalog med namn och eventuella synonymer samt med den svenska utbredningen landskapsvis.

Katalogen kommer att publiceras i tre delar och den föreliggande andra delen behandlar familjerna Andrenidae och Halictidae med 57 respektive 53 arter.

Andrena fulvida Schenck, *A. alfenella* Perkins, *A. minutuloides* Perkins och *Sphecodes ferruginatus* von Hagens har tidigare inte rapporterats från Sverige.